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(54) WATER PERMEABLE SHEET AND ITS MANUFACTURE

(57) Abstract:

PROBLEM TO BE SOLVED: To provide the excellent mechanical characteristics such as water permeable and bending strength and dimensional stability and excellent processability.

SOLUTION: The water permeable sheet comprises hydrophilic deformed profile sectional fiber having one or more continuous or discontinuous groove on the surface, binder fiber and hydrophilic fine powder, wherein the binder fiber fixes the fiber in contact by fusion bonding, and the fine powder is fixed to the surface of the constituting fiber. Preferably, the deformed profile section fiber has complete resistivity against mildew, and further preferably the deformed profile section fiber is polyvinyl alcohol fiber. Preferably, the fine powder contains colloidal silica having a particle size of 100nm or less, and further preferably the particle size of the silica is less than 10nm.

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